

ABSTRACT

The present invention provides a frame synchronization device for receiving frames and establishing frame synchronization. The frame synchronization device attempts to detect a first synchronization data in a received data in a frame hunting state, and enters a synchronous state when the first synchronization data is detected for a first predetermined number of consecutive frames. The device corrects errors of the data in the frame based on a check data in the frame. And the device attempts to detect a second synchronization data in the corrected frame, and returns to the frame hunting state when the second synchronization data is not detected.